AMENDMENTS TO THE CLAIMS

The present listing of claims replaces all prior versions and listings of claims in the subject patent application.

Claim 1 (currently amended): A method for communicating to a component of a system controlled by a controller comprising:

packaging a communication sequence into a script by a method comprising:

providing said communication sequence that is a specific set of actions and action data;

for each of said actions, creating an action header comprising an action code and ~~zero~~ one or more component specific commands, and creating an action payload comprising zero or more of said action data;

transmitting said script to said controller; and

communicating to said component of said system by running said script by said controller by a method comprising:

providing said script to said controller; and

for each of said action headers, executing a command corresponding to said action code, transmitting said ~~zero~~ one or more component specific commands directly to said component, and transmitting said zero or more of said action data from said action payload to said component.

Claim 2 (original): The method of claim 1 wherein said packaging of said communication is performed by a first computer system that is separate from said system controlled by said controller.

Claim 3 (original): The method of claim 1 wherein:

said method of packing said communication sequence further comprises:

creating a header for said script, said header comprising a CRC; and

said method of communicating to said component further comprises:

reading said header of said script;

computing a computed CRC of said script;

comparing said computed CRC to said CRC contained within said header of said script.

Claim 4 (original): The method of claim 1 wherein:

said method of packing said communication sequence further comprises:

creating a header for said script, said header comprising an identifier describing the specific component for which said script is intended; and

said method of communicating to said component of said system by running said script by said controller further comprises:

determining a descriptor of said component;

comparing said descriptor of said component to said identifier contained within said header of said script.

Claim 5 (original): The method of claim 1 wherein:

said method of packing said communication sequence further comprises:

creating a header for said script, said header comprising a compatibility list comprising one or more applicable revisions of firmware on said specific component for which said script is applicable; and

said method of communicating to said component of said system by running said script by said controller further comprises:

determining a current firmware revision of said component;

comparing said current firmware revision to said compatibility list contained within said header of said script.

Claim 6 (original): The method of claim 1 wherein said component is a hard disk drive.

Claim 7 (original): The method of claim 6 wherein said controller is a RAID controller.

Claim 8 (currently amended): A system for communicating to a component of a system controlled by a controller comprising:

a first computer system adapted to packaging a communication sequence into a script by a method comprising:

providing said communication sequence that is a specific set of actions and action data;

for each of said actions, creating an action header comprising an action code and ~~zero~~ one or more component specific commands, and creating an action payload comprising zero or more of said action data; and

a controller adapted to communicate with said component of said system by a method comprising:

providing said script to said controller; and

for each of said action headers, executing a command corresponding to said action code, transmitting said ~~zero~~ one or more component specific commands directly to said component, and transmitting said zero or more of said action data from said action payload to said component.

Claim 9 (original): The system of claim 8 wherein said packaging of said communication is performed by a first computer system that is separate from said system controlled by said controller.

Claim 10 (original): The system of claim 8 wherein:

said method of packing said communication sequence further comprises:

creating a header for said script, said header comprising a CRC; and

said method of communicating to said component further comprises:

reading said header of said script;

computing a computed CRC of said script;

comparing said computed CRC to said CRC contained within said header of said script.

Claim 11 (original): The system of claim 8 wherein:

said method of packing said communication sequence further comprises:

creating a header for said script, said header comprising an identifier describing the specific component for which said script is intended; and

said method of communicating to said component of said system by running said script by said controller further comprises:

determining a descriptor of said component;

comparing said descriptor of said component to said identifier contained within said header of said script.

Claim 12 (original): The system of claim 8 wherein:

said method of packing said communication sequence further comprises:

creating a header for said script, said header comprising a compatibility list comprising one or more applicable revisions of firmware on said specific component for which said script is applicable; and

said method of communicating to said component of said system by running said script by said controller further comprises:

determining a current firmware revision of said component;

comparing said current firmware revision to said compatibility list contained within said header of said script.

Claim 13 (original): The system of claim 8 wherein said component is a hard disk drive.

Claim 14 (original): The system of claim 13 wherein said controller is a RAID controller.

Claim 15 (original): A system for communicating to a component of a system controlled by a controller comprising:

a first means for packaging a communication sequence into a script by a method comprising:

providing said communication sequence that is a specific set of actions and action data;

for each of said actions, creating an action header comprising an action code and ~~zero~~ one or more component specific commands, and creating an action payload comprising zero or more of said action data;

a second means for communicating with said component of said system by a method comprising:

providing said script to said controller; and

for each of said action headers, executing a command corresponding to said action code, transmitting said ~~zero~~ one or more component specific commands directly to said component, and transmitting said zero or more of said action data from said action payload to said component.

Claim 16 (original): The system of claim 15 wherein said packaging of said communication is performed by a first computer system that is separate from said system controlled by said controller.

Claim 17 (original): The system of claim 15 wherein:

said method of packing said communication sequence further comprises:

creating a header for said script, said header comprising a CRC; and

said method of communicating to said component further comprises:

reading said header of said script;

computing a computed CRC of said script;

comparing said computed CRC to said CRC contained within said header of said script.

Claim 18 (original): The system of claim 15 wherein:

said method of packing said communication sequence further comprises:

creating a header for said script, said header comprising an identifier describing the specific component for which said script is intended; and

said method of communicating to said component of said system by running said script by said controller further comprises:

determining a descriptor of said component;

comparing said descriptor of said component to said identifier contained within said header of said script.

Claim 19 (original): The system of claim 15 wherein:

said method of packing said communication sequence further comprises:

creating a header for said script, said header comprising a compatibility list comprising one or more applicable revisions of firmware on said specific component for which said script is applicable; and

said method of communicating to said component of said system by running said script by said controller further comprises:

determining a current firmware revision of said component;

comparing said current firmware revision to said compatibility list contained within said header of said script.

Claim 20 (original): The system of claim 15 wherein said component is a hard disk drive.

Claim 21 (original): The system of claim 20 wherein said controller is a RAID controller.